RAW SEQUENCE LISTING DATE: 07/20/2001
PATENT APPLICATION: US/08/403,803A TIME: 13:26:03

Input Set : A:\41426-A-PCT-US.txt
Output Set: N:\CRF3\07202001\H403803A.raw

Does Not Comply
Corrected Diskette Needed
see Add1 & Add2

```
    3 <110> APPLICANT: Ron S. Israeli et al.
    5 <120> TITLE OF INVENTION: PROSTATE-SPECIFIC MEMBRANE ANTIGEN
    7 <130> FILE REFERENCE: 1769/41426-C/JPW/SHS
->  9 <140> CURRENT APPLICATION NUMBER: US/08/403,803A
->  9 <141> CURRENT FILING DATE: 1999-10-26
    9 <160> NUMBER OF SEQ ID NOS: 38
   11 <170> SOFTWARE: PatentIn version 3.0
   13 <210> SEQ ID NO: 1
   14 <211> LENGTH: 2653
   15 <212> TYPE: DNA
   16 <213> ORGANISM: human
   18 <400> SEQUENCE: 1
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   21 attggttcag tgcactctag aaacactgct gtggtggaga aactggaccc caggtctgga    120
   23 gcgaattcca gcctgcaggg ctgataagcg aggcattagt gagattgaga gagactttac    180
   25 cccgccgtgg tggttggagg gcgcgcagta gagcagcagc acaggcgcgg gtcccgggag    240
   27 cccggctctg ctcgcgccga gatgtggaat ctccttcacg aaaccgactc ggctgtggcc    300
   29 accgcgcgcc gcccgcgctg gctgtgcgct ggggcgctgg tgctggcggg tggcttcttt    360
   31 ctcctcggct tcctcttcgg gtggtttata aaatcctcca atgaagctac taacattact    420
   33 ccaaagcata atatgaaagc atttttggat gaattgaaag ctgagaacat caagaagttc    480
   35 ttatataatt ttacacagat accacattta gcaggaacag aacaaaactt tcagcttgca    540
   37 aagcaaattc aatcccagtg gaaagaattt ggcctggatt ctgttgagca agcacattat    600
   39 gatgtcctgt tgtcctaccc aaataagact catcccaact acatctcaat aattaatgaa    660
   41 gatggaaatg agattttcaa cacatcatta tttgaaccac ctcctccagg atatgaaaat    720
   43 gtttcggata ttgtaccacc tttcagtgct ttctctcctc aaggaatgcc agagggcgat    780
   45 ctagtgtatg ttaactatgc acgaactgaa gacttcttta aattggaacg ggacatgaaa    840
   47 atcaattgct ctgggaaaat tgtaattgcc agatatggga aagttttcag aggaaataag    900
   49 gttaaaaatg cccagctggc aggggccaaa ggagtcattc tctactccga ccctgctgac    960
   51 tactttgctc ctggggtgaa gtcctatcca gatggttgga atcttcctgg aggtggtgtc   1020
   53 cagcgtggaa atatcctaaa tctgaatggt gcaggagacc ctctcacacc aggttaccca   1080
   55 gcaaatgaat atgcttatag gcgtggaatt gcagaggctg ttggtcttcc aagtattcct   1140
   57 gttcatccaa ttggatacta tgatgcacag aagctcctag aaaaaatggg tggctcagca   1200
   59 ccaccagata gcagctggag aggaagtctc aaagtgccct acaatgttgg acctggcttt   1260
   61 actggaaact tttctacaca aaaagtcaag atgcacatcc actctaccaa tgaagtgaca   1320
   63 agaatttaca atgtgatagg tactctcaga ggagcagtgg aaccagacag atatgtcatt   1380
   65 ctgggaggtc accgggactc atgggtgttt ggtggtattg accctcagag tggagcagct   1440
   67 gttgttcatg aaattgtgag gagctttgga acactgaaaa aggaagggtg gagacctaga   1500
   69 agaacaattt tgtttgcaag ctgggatgca gaagaatttg gtcttcttgg ttctactgag   1560
   71 tgggcagagg agaattcaag actccttcaa gagcgtggcg tggcttatat taatgctgac   1620
   73 tcatctatag aaggaaacta cactctgaga gttgattgta caccgctgat gtacagcttg   1680
   75 gtacacaacc taacaaaaga gctgaaaagc cctgatgaag gctttgaagg caaatctctt   1740
   77 tatgaaagtt ggactaaaaa aagtccttcc ccagagttca gtggcatgcc caggataagc   1800
   79 aaattgggat ctggaaatga ttttgaggtg ttcttccaac gacttggaat tgcttcaggc   1860
   81 agagcacggt atactaaaaa ttgggaaaca aacaaattca gcggctatcc actgtatcac   1920
   83 agtgtctatg aaacatatga gttggtggaa aagttttatg atccaatgtt taaatatcac   1980
   85 ctcactgtgg cccaggttcg aggagggatg gtgtttgagc tagccaattc catagtgctc   2040
   87 ccttttgatt gtcgagatta tgctgtagtt ttaagaaagt atgctgacaa aatctacagt   2100
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RAW SEQUENCE LISTING DATE: 07/20/2001
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Output Set: N:\CRF3\07202001\H403803A.raw

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91 tctgcagtaa agaattttac agaaattgct tccaagttca gtgagagact ccaggacttt 2220
93 gacaaaagca acccaatagt attaagaatg atgaatgatc aactcatgtt tctggaaaga 2280
95 gcatttattg atccattagg gttaccagac aggccttttt ataggcatgt catctatgct 2340
97 ccaagcagcc acaacaagta tgcaggggag tcattcccag gaatttatga tgctctgttt 2400
99 gatattgaaa gcaaagtgga cccttccaag gcctggggag aagtgaagag acagatttat 2460
101 gttgcagcct tcacagtgca ggcagctgca gagactttga gtgaagtagc ctaagaggat 2520
103 tctttagaga atccgtattg aatttgtgtg gtatgtcact cagaaagaat cgtaatgggt 2580
105 atattgataa attttaaaat tggtatattt gaaataaagt tgaatattat atataaaaaa 2640
107 aaaaaaaaaa aaa 2653
110 <210> SEQ ID NO: 2
111 <211> LENGTH: 750
112 <212> TYPE: PRT
113 <213> ORGANISM: human
115 <400> SEQUENCE: 2
117 Met Trp Asn Leu Leu His Glu Thr Asp Ser Ala Val Ala Thr Ala Arg
118 1 5 10 15
120 Arg Pro Arg Trp Leu Cys Ala Gly Ala Leu Val Leu Ala Gly Gly Phe
121 20 25 30
123 Phe Leu Leu Gly Phe Leu Phe Gly Trp Phe Ile Lys Ser Ser Asn Glu
124 35 40 45
126 Ala Thr Asn Ile Thr Pro Lys His Asn Met Lys Ala Phe Leu Asp Glu
127 50 55 60
129 Leu Lys Ala Glu Asn Ile Lys Lys Phe Leu Tyr Asn Phe Thr Gln Ile
130 65 70 75 80
132 Pro His Leu Ala Gly Thr Glu Gln Asn Phe Gln Leu Ala Lys Gln Ile
133 85 90 95
135 Gln Ser Gln Trp Lys Glu Phe Gly Leu Asp Ser Val Glu Leu Ala His
136 100 105 110
138 Tyr Asp Val Leu Leu Ser Tyr Pro Asn Lys Thr His Pro Asn Tyr Ile
139 115 120 125
141 Ser Ile Ile Asn Glu Asp Gly Asn Glu Ile Phe Asn Thr Ser Leu Phe
142 130 135 140
144 Glu Pro Pro Pro Pro Gly Tyr Glu Asn Val Ser Asp Ile Val Pro Pro
145 145 150 155 160
147 Phe Ser Ala Phe Ser Pro Gln Gly Met Pro Glu Gly Asp Leu Val Tyr
148 165 170 175
150 Val Asn Tyr Ala Arg Thr Glu Asp Phe Phe Lys Leu Glu Arg Asp Met
151 180 185 190
153 Lys Ile Asn Cys Ser Gly Lys Ile Val Ile Ala Arg Tyr Gly Lys Val
154 195 200 205
156 Phe Arg Gly Asn Lys Val Lys Asn Ala Gln Leu Ala Gly Ala Lys Gly
157 210 215 220
159 Val Ile Leu Tyr Ser Asp Pro Ala Asp Tyr Phe Ala Pro Gly Val Lys
160 225 230 235 240
162 Ser Tyr Pro Asp Gly Trp Asn Leu Pro Gly Gly Gly Val Gln Arg Gly
163 245 250 255
165 Asn Ile Leu Asn Leu Asn Gly Ala Gly Asp Pro Leu Thr Pro Gly Tyr
166 260 265 270

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Input Set : A:\41426-A-PCT-US.txt
Output Set: N:\CRF3\07202001\H403803A.raw

```
168 Pro Ala Asn Glu Tyr Ala Tyr Arg Arg Gly Ile Ala Glu Ala Val Gly
169         275                 280                 285
171 Leu Pro Ser Ile Pro Val His Pro Ile Gly Tyr Tyr Asp Ala Gln Lys
172     290                 295                 300
174 Leu Leu Glu Lys Met Gly Gly Ser Ala Pro Pro Asp Ser Ser Trp Arg
175 305                 310                 315                 320
177 Gly Ser Leu Lys Val Pro Tyr Asn Val Gly Pro Gly Phe Thr Gly Asn
178                 325                 330                 335
180 Phe Ser Thr Gln Lys Val Lys Met His Ile His Ser Thr Asn Glu Val
181             340                 345                 350
183 Thr Arg Ile Tyr Asn Val Ile Gly Thr Leu Arg Gly Ala Val Glu Pro
184         355                 360                 365
186 Asp Arg Tyr Val Ile Leu Gly Gly His Arg Asp Ser Trp Val Phe Gly
187     370                 375                 380
189 Gly Ile Asp Pro Gln Ser Gly Ala Ala Val Val His Glu Ile Val Arg
190 385                 390                 395                 400
192 Ser Phe Gly Thr Leu Lys Lys Glu Gly Trp Arg Pro Arg Arg Thr Ile
193                 405                 410                 415
195 Leu Phe Ala Ser Trp Asp Ala Glu Glu Phe Gly Leu Leu Gly Ser Thr
196             420                 425                 430
198 Glu Trp Ala Glu Glu Asn Ser Arg Leu Leu Gln Glu Arg Gly Val Ala
199         435                 440                 445
201 Tyr Ile Asn Ala Asp Ser Ser Ile Glu Gly Asn Tyr Thr Leu Arg Val
202     450                 455                 460
204 Asp Cys Thr Pro Leu Met Tyr Ser Leu Val His Asn Leu Thr Lys Glu
205 465                 470                 475                 480
207 Leu Lys Ser Pro Asp Glu Gly Phe Glu Gly Lys Ser Leu Tyr Glu Ser
208                 485                 490                 495
210 Trp Thr Lys Lys Ser Pro Ser Pro Glu Phe Ser Gly Met Pro Arg Ile
211             500                 505                 510
213 Ser Lys Leu Gly Ser Gly Asn Asp Phe Glu Val Phe Phe Gln Arg Leu
214         515                 520                 525
216 Lys Ile Ala Ser Gly Arg Ala Arg Tyr Thr Lys Asn Trp Glu Thr Asn
217     530                 535                 540
219 Lys Phe Ser Gly Tyr Pro Leu Tyr His Ser Val Tyr Glu Thr Tyr Glu
220 545                 550                 555                 560
222 Leu Val Glu Lys Phe Tyr Asp Pro Met Phe Lys Tyr His Leu Thr Val
223                 565                 570                 575
225 Ala Gln Val Arg Gly Gly Met Val Phe Glu Leu Ala Asn Ser Ile Val
226             580                 585                 590
228 Leu Pro Phe Asp Cys Arg Asp Tyr Ala Val Val Leu Arg Lys Tyr Ala
229         595                 600                 605
231 Asp Lys Ile Tyr Ser Ile Ser Met Lys His Pro Gln Glu Met Lys Thr
232     610                 615                 620
234 Tyr Ser Val Ser Phe Asp Ser Leu Phe Ser Ala Val Lys Asn Phe Thr
235 625                 630                 635                 640
237 Glu Ile Ala Ser Lys Phe Ser Glu Arg Leu Gln Asp Phe Asp Lys Ser
238                 645                 650                 655
240 Asn Pro Ile Val Leu Arg Met Met Asn Asp Gln Leu Met Phe Leu Glu
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Input Set : A:\41426-A-PCT-US.txt
Output Set: N:\CRF3\07202001\H403803A.raw

```
241                 660                 665                 670
243 Arg Ala Phe Ile Asp Pro Leu Gly Leu Pro Asp Arg Pro Phe Tyr Arg
244         675                 680                 685
246 His Val Ile Tyr Ala Pro Ser Ser His Asn Lys Tyr Ala Gly Glu Ser
247     690                 695                 700
249 Phe Pro Gly Ile Tyr Asp Ala Leu Phe Asp Ile Glu Ser Lys Val Asp
250 705                 710                 715                 720
252 Pro Ser Lys Ala Trp Gly Glu Val Lys Arg Gln Ile Tyr Val Ala Ala
253                 725                 730                 735
255 Phe Thr Val Gln Ala Ala Ala Glu Thr Leu Ser Glu Val Ala
256             740                 745                 750
258 <210> SEQ ID NO: 3
259 <211> LENGTH: 8
260 <212> TYPE: PRT
261 <213> ORGANISM: human
263 <400> SEQUENCE: 3
265 Ser Leu Tyr Glu Ser Trp Thr Lys
266 1               5
268 <210> SEQ ID NO: 4
269 <211> LENGTH: 15
270 <212> TYPE: PRT
271 <213> ORGANISM: human
273 <220> FEATURE:
--> 274 <221> NAME/KEY: misc.
275 <222> LOCATION: (1)..(15)
276 <223> OTHER INFORMATION: x=unknown
279 <400> SEQUENCE: 4
--> 281 Ser Tyr Pro Asp Gly Xaa Xaa Leu Pro Gly Gly Gly Val Gln Arg
282 1               5                   10                  15
284 <210> SEQ ID NO: 5
285 <211> LENGTH: 7
286 <212> TYPE: PRT
287 <213> ORGANISM: human
289 <400> SEQUENCE: 5
291 Phe Tyr Asp Pro Met Phe Lys
292 1               5
294 <210> SEQ ID NO: 6
295 <211> LENGTH: 9
296 <212> TYPE: PRT
297 <213> ORGANISM: human
299 <400> SEQUENCE: 6
301 Ile Tyr Asn Val Ile Gly Thr Leu Lys
302 1               5
304 <210> SEQ ID NO: 7
305 <211> LENGTH: 22
306 <212> TYPE: PRT
307 <213> ORGANISM: human
309 <220> FEATURE:
--> 310 <221> NAME/KEY: misc
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RAW SEQUENCE LISTING DATE: 07/20/2001
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Input Set : A:\41426-A-PCT-US.txt
Output Set: N:\CRF3\07202001\H403803A.raw

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   311 <222> LOCATION: (1)..(22)
   312 <223> OTHER INFORMATION: x=unknown
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-> 317 Phe Leu Tyr Xaa Xaa Thr Gln Ile Pro His Leu Ala Gly Thr Glu Gln
   318 1               5                   10                  15
   320 Asn Phe Gln Leu Ala Lys
   321             20
   323 <210> SEQ ID NO: 8
   324 <211> LENGTH: 17
   325 <212> TYPE: PRT
   326 <213> ORGANISM: human
   328 <400> SEQUENCE: 8
   330 Gly Val Ile Leu Tyr Ser Asp Pro Ala Asp Tyr Phe Ala Pro Asp Val
   331 1               5                   10                  15
   333 Lys
   336 <210> SEQ ID NO: 9
   337 <211> LENGTH: 17
   338 <212> TYPE: PRT
   339 <213> ORGANISM: human
   341 <400> SEQUENCE: 9
   343 Pro Val Ile Leu Tyr Ser Asp Pro Ala Asp Tyr Phe Ala Pro Gly Val
   344 1               5                   10                  15
   346 Lys
   349 <210> SEQ ID NO: 10
   350 <211> LENGTH: 15
   351 <212> TYPE: PRT
   352 <213> ORGANISM: human
   354 <400> SEQUENCE: 10
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   357 1               5                   10                  15
   359 <210> SEQ ID NO: 11
   360 <211> LENGTH: 19
   361 <212> TYPE: PRT
   362 <213> ORGANISM: human
   364 <400> SEQUENCE: 11
   366 Tyr Ala Gly Glu Ser Phe Pro Gly Ile Tyr Asp Ala Leu Phe Asp Ile
   367 1               5                   10                  15
   369 Glu Ser Lys
   372 <210> SEQ ID NO: 12
   373 <211> LENGTH: 22
   374 <212> TYPE: PRT
   375 <213> ORGANISM: human
   377 <220> FEATURE:
--> 378 <221> NAME/KEY: misc.
   379 <222> LOCATION: (1)..(22)
   380 <223> OTHER INFORMATION: x=unknown
   383 <400> SEQUENCE: 12
--> 385 Thr Ile Leu Phe Ala Ser Trp Asp Ala Glu Glu Phe Gly Xaa Xaa Gly
   386 1               5                   10                  15
```

FYI.

Use of 'n' and/or 'Xaa' has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using 'n' or 'Xaa'.

Add 1

<210> 13
<211> 17
<212> DNA
<213> artificial;primer

<220>
<221> misc.
<222> (1)..(16)
<223> n=unknown

<400> 13
ttytaygayc cnatgtt 17

<210> 14
<211> 17
<212> DNA
<213> artificial;primer

<220>
<221> misc
<222> (1)..(16)
<223> n=unknown

<400> 14
aacatnggrt crtaraa 17

<210> 15
<211> 17
<212> DNA
<213> artificial;primer

<220>
<221> misc.

see item # 10 on ERROR summary SHEET

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

Add 2

<210> 30

<211> 27

<212> DNA

<213> artificial — see item #11 on ERROR Summary SHEET.

<400> 30

acggagcaaa actttcagct tgcaaag 27

VERIFICATION SUMMARY DATE: 07/20/2001
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Input Set : A:\41426-A-PCT-US.txt
Output Set: N:\CRF3\07202001\H403803A.raw

9 M:270 C: Current Application Number differs, Replaced Current Application No
9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
274 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
310 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
378 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:12
385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
394 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
397 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13
403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
409 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
412 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14
418 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
424 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
427 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15
433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
439 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
442 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16
448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
454 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
457 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17
463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
469 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
472 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:18
478 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
484 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
487 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:19
493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
499 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
502 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20
508 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
514 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
516 M:258 W: Mandatory Feature missing, <220> FEATURE:
516 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
523 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
525 M:258 W: Mandatory Feature missing, <220> FEATURE:
525 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
532 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
535 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
547 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
550 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24
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571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
577 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26

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Input Set : A:\41426-A-PCT-US.txt
Output Set: N:\CRF3\07202001\H403803A.raw

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607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
619 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
621 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
634 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28
646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
669 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:29
681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
687 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
697 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
699 M:258 W: Mandatory Feature missing, <220> FEATURE:
699 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
706 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
708 M:258 W: Mandatory Feature missing, <220> FEATURE:
708 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
716 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
718 M:258 W: Mandatory Feature missing, <220> FEATURE:
718 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
725 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
727 M:258 W: Mandatory Feature missing, <220> FEATURE:
727 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
734 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
736 M:258 W: Mandatory Feature missing, <220> FEATURE:
736 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

RECEIVED
SEP 1 1 2001
TECH CENTER 1600/2900

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 08/403,803A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
4	Non-ASCII	The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**
5	Variable Length	Sequence(s)___contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) 30 missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

Attachment for PTO-948 (Rev. 03/01, or earlier)

6/18/01

The below text replaces the pre-printed text under the heading, "Information on How to Effect Drawing Changes," on the back of the PTO-948 (Rev. 03/01, or earlier) form.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities -- 37 CFR 1.85

New corrected drawings must be filed with the changes incorporated therein. Identifying indicia, if provided, should include the title of the invention, inventor's name, and application number, or docket number (if any) if an application number has not been assigned to the application. If this information is provided, it must be placed on the front of each sheet and centered within the top margin. If corrected drawings are required in a Notice of Allowability (PTOL-37), the new drawings **MUST** be filed within the **THREE MONTH** shortened statutory period set for reply in the Notice of Allowability. Extensions of time may NOT be obtained under the provisions of 37 CFR 1.136(a) or (b) for filing the corrected drawings after the mailing of a Notice of Allowability. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

2. Corrections other than Informalities Noted by Draftsperson on form PTO-948.

All changes to the drawings, other than informalities noted by the Draftsperson, **MUST** be made in the same manner as above except that, normally, a highlighted (preferably red ink) sketch of the changes to be incorporated into the new drawings **MUST** be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.

Timing of Corrections

Applicant is required to submit the drawing corrections within the time period set in the attached Office communication. See 37 CFR 1.85(a).

Failure to take corrective action within the set period will result in **ABANDONMENT** of the application.

06/01/01